count in the binout subroutines ...

cbblanke 38 posts since

Apr 18, 2008

What is the purpose of dividing the output variables by "count" in output routines like mos_binout.F90, noah_binout.F90 and get_vicvar.c? (The full variable name is something like mos_struc(n)%count.) What is "count" supposed to be? In my SHEELS LSM, count is 1.51E9. Perhaps I am not initializing it properly. I don't understand how the LSMs work if count is anything other than one, as these output variables are propagated to the next timestep.

Thanks,

Clay Tags: lis, output

sujay *118 posts since*
Sep 20, 2007 1. **Re: count in the binout subroutines** Jun 6, 2008 12:43 PM

Clay,

The count variable keeps track of the number of timesteps between output intervals. The purpose is to use this variable to figure out the averaged value of a particular variable (if you are writing time averaged output of a certain variable). For instantaneous outputs, you can notice that count is not used.

So for it to work properly. It should be initialized to 0 (in noah_setup), incremented (in noah_main for e.g.) and reinitialized to zero after output (in noah_output)

Hope this helps,

-Sujay